



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Akella et al.

Serial No.: 10/042,482

Filed: January 9, 2002

For: Method, System, and Product for  
Storage of Attribute Data in an Object  
Oriented Environment

35525

PATENT TRADEMARK OFFICE  
CUSTOMER NUMBER

§  
§  
§  
§  
§  
§

Group Art Unit: Unknown

Examiner: Unknown

Attorney Docket No.: AUS920010666US1

RECEIVED

NOV 17 2003

Technology Center 2100

Certificate of Mailing Under 37 C.F.R. § 1.8(a)  
I hereby certify this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on November 3, 2003.  
By: Krista Douthitt  
Krista Douthitt

**TRANSMITTAL DOCUMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

ENCLOSED HEREWITH:

- Information Disclosure Statement;
- Form PTO-1449;
- References AP-AT and CZ-DD; and
- Our return postcard.

No fees are believed to be necessary. If, however, any fees are required, I authorize the Commissioner to charge these fees which may be required to Deposit Account No. 09-0447. No extension of time is believed to be necessary. If, however, an extension of time is required, the extension is requested, and I authorize the Commissioner to charge any fees for this extension to Deposit Account No. 09-0447.

Respectfully submitted,

Duke W. Yee

Registration No. 34,285

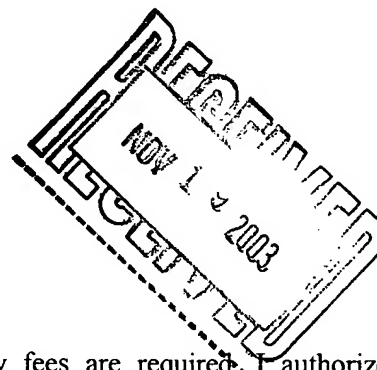
CARSTENS, YEE & CAHOON, LLP

P.O. Box 802334

Dallas, Texas 75380

(972) 367-2001

ATTORNEY FOR APPLICANTS





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Akella et al.**

Serial No.: **10/042,482**

Filed: **January 9, 2002**

For: **Method, System, and Product for  
Storage of Attribute Data in an Object  
Oriented Environment**

§  
§ **Group Art Unit: Unknown**

§  
§ **Examiner: Unknown**

§  
§ **Attorney Docket No.: AUS920010666US1**

**RECEIVED**

**NOV 17 2003**

**Technology Center 2100**

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants request that the information listed on the attached Form PTO-1449 be considered by the Office during the pendency of the above entitled application, pursuant to 37 C.F.R. 1.97.

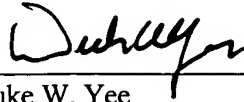
Please charge any fees necessary for prosecution of the present application to Deposit Account No. 09-0447. If any extension of time is required, such extension is hereby requested. Please charge any additional required fee for extension of time to Deposit Account No. 09-0447.

In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not constitute an admission that any information cited therein is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b). In the interest of full and complete disclosure to the Office, some or all of the art cited herein may not be considered by Applicant(s) or the Undersigned to be material under the new standards of materiality defined in 37 C.F.R. 1.56(b), enacted March 16, 1992, but may be material under the old standard of materiality defined in 37 C.F.R. 1.56(a), last amended on November 28, 1988, or may merely be technical background which may be of interest to the Examiner. In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(b) within three months of the filing date of the application, or before the mailing date of a first office action on the merits. No fee is required.

Date: November 3, 2003

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Duke W. Yee", is written over a horizontal line.

Duke W. Yee  
*Registration No. 34,285*  
Carstens, Yee & Cahoon, L.L.P.  
P.O. Box 802334  
Dallas, Texas 75380  
(972) 367-2001



|   |   |                                 |
|---|---|---------------------------------|
| <b>Form PTO-1449</b><br><br><b>LIST OF PRIOR ART CITED<br/>BY APPLICANT</b><br><i>(Use several sheets if necessary)</i> | ATTORNEY DOCKET NO.<br><b>AUS920010666US1</b> | SERIAL NO.<br><b>10/042,882</b> |
|   | <b>RECEIVED</b><br><br><b>NOV 17 2003</b>     |                                 |
|   | APPLICANT <b>Akella et al.</b>                | <b>Technology Center 2100</b>   |
|   | FILING DATE <b>January 9, 2002</b>            | GROUP ART UNIT <b>Unknown</b>   |

**U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL | DOCUMENT<br>NO. | PUBLICATION<br>DATE | INVENTOR NAME   | CLASS/<br>SUBCLASS | FILING<br>DATE |
|---------------------|-----------------|---------------------|-----------------|--------------------|----------------|
|                     | AA 5,822,580    | Oct. 13, 1998       | Leung           | 395/614            | Jan. 19, 1996  |
|                     | AB 5,893,118    | Apr. 6, 1999        | Sonderegger     | 707/203            | Jan. 22, 1997  |
|                     | AC 5,973,702    | Oct. 26, 1999       | Orton et al.    | 345/433            | Jun. 7, 1995   |
|                     | AD 6,202,207 B1 | Mar. 13, 2001       | Donohue         | 717/11             | Aug. 19, 1998  |
|                     | AE 6,442,754 B1 | Aug. 27, 2002       | Curtis          | 717/175            | Mar. 29, 1999  |
|                     | AF 6,425,126 B1 | Jul. 23, 2002       | Branson et al.  | 717/168            | May 19, 1999   |
|                     | AG 6,493,871 B1 | Dec. 10, 2002       | McGuire et al.  | 717/173            | Sep. 16, 1999  |
|                     | AH 6,115,646    | Sep. 5, 2000        | Fizsman et al.  | 700/181            | Dec. 18, 1997  |
|                     | AI 6,330,659 B1 | Dec. 11, 2001       | Poff et al.     | 712/34             | Nov. 6, 1997   |
|                     | AJ 6,175,364 B1 | Jan. 16, 2001       | Wong et al.     | 345/340            | Apr. 1, 1997   |
|                     | AK 6,169,546 B1 | Jan. 2, 2001        | Bogdan          | 345/339            | Apr. 1, 1998   |
|                     | AL 6,064,382    | May 16, 2000        | Diedrich et al. | 345/335            | Nov. 19, 1997  |
|                     | AM 6,208,994 B1 | Mar. 27, 2001       | Abdelnur        | 707/103            | Jun. 11, 1998  |
|                     | AN 6,469,714 B2 | Oct. 22, 2002       | Buxton et al.   | 345/762            | Dec. 29, 1998  |
|                     | AO 6,556,218 B1 | Apr. 29, 2003       | Alcorn          | 345/749            | Dec. 10, 1998  |

**OTHER PRIOR ART (including author, title, date, pertinent page, etc.)**

|    |   |
|----|---|
| AP | Lemay et al., "Laura Lemay's Web Workshop JavaScript", Sams.net, 1996, pp. 132-137. |
| AQ | Vanhelsuwe, "Mastering JavaBeans", Sybex, 1997, chapter 3.                          |
| AR | Zukowski, "Mastering Java 2", Sybex, 1998, chapters 12, 14, 22.                     |
| AS | Weber, "Advanced JFC", QUE, 1998, chapter 24.                                       |
| AT | IBM TDB, "Sequencing Event Handlers in Java", Vol. 24, No. 423, July 1999.          |

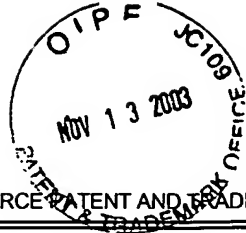
**RELATED PATENT APPLICATIONS**

| EXAMINER<br>INITIAL | APPLICATION NO./<br>ATTY. DOCKET NO. | APPLICANT | TITLE | FILING<br>DATE |
|---------------------|--------------------------------------|-----------|-------|----------------|
|                     |                                      |           |       |                |

DATE CONSIDERED

EXAMINER

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449

LIST OF PRIOR ART CITED  
BY APPLICANT

(Use several sheets if necessary)

ATTORNEY DOCKET NO.

AUS920010666US1

SERIAL NO.

10/041,482

RECEIVED

NOV 17 2003

APPLICANT Akella et al.

Technology Center 2100

FILING DATE January 9, 2002

GROUP ART UNIT Unknown

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT<br>NO. | PUBLICATION<br>DATE | INVENTOR NAME        | CLASS/<br>SUBCLASS | FILING<br>DATE |
|---------------------|-----------------|---------------------|----------------------|--------------------|----------------|
|                     | AU 6,185,590 B1 | Feb. 6, 2001        | Klein                | 707/526            | Oct. 15, 1997  |
|                     | AV 6,237,011 B1 | May 22, 2001        | Ferguson et al.      | 707/515            | Oct. 8, 1997   |
|                     | AW 6,085,120    | Jul. 4, 2000        | Schwerdtfeger et al. | 700/90             | Nov. 17, 1997  |
|                     | AX 6,275,228 B1 | Aug. 14, 2001       | Cataudella           | 345/339            | Dec. 14, 1998  |
|                     | AY 5,983,348    | Nov. 9, 1999        | Ji                   | 713/200            | Sep. 10, 1997  |
|                     | AZ 6,023,271    | Feb. 8, 2000        | Quaeler-Bock et al.  | 345/335            | Jun. 11, 1998  |
|                     | BA 5,724,589    | Mar. 3, 1998        | Wold                 | 395/701            | Oct. 13, 1995  |
|                     | BB 6,438,617 B1 | Aug. 20, 2002       | Savitsky et al.      | 709/316            | Jan. 21, 1999  |
|                     | BC 6,335,741 B1 | Jan. 1, 2002        | Nock                 | 345/764            | Jan. 6, 1999   |
|                     | BD 5,704,029    | Dec. 30, 1997       | Wright, Jr.          | 395/149            | May 23, 1994   |
|                     | BE 5,566,330    | Oct. 15, 1996       | Sheffield            | 395/600            | Feb. 23, 1995  |
|                     | BF 5,752,018    | May 12, 1998        | Sheffield            | 395/602            | May 22, 1996   |
|                     | BG 6,148,306    | Nov. 14, 2000       | Seidl et al.         | 707/104            | May 28, 1998   |
|                     | BH 6,208,339 B1 | Mar. 27, 2001       | Atlas et al.         | 345/338            | Jun. 19, 1998  |
|                     | BI 6,185,583 B1 | Feb. 6, 2001        | Blando               | 707/507            | Nov. 30, 1998  |
|                     | BJ 6,167,523    | Dec. 26, 2000       | Strong               | 713/201            | May 5, 1997    |
|                     | BK 6,029,182    | Feb. 22, 2000       | Nehab et al.         | 707/523            | Oct. 4, 1996   |
|                     | BL 6,091,411    | Jul. 18, 2000       | Straub et al.        | 345/333            | Dec. 7, 1998   |
|                     | BM 6,275,232 B1 | Aug. 14, 2001       | Cataudella et al.    | 345/349            | Dec. 14, 1998  |

## OTHER PRIOR ART (including author, title, date, pertinent page, etc.)

|  |  |  |
|--|--|--|
|  |  |  |
|--|--|--|

## RELATED PATENT APPLICATIONS

| EXAMINER<br>INITIAL | APPLICATION NO./<br>ATTY. DOCKET NO. | APPLICANT | TITLE | FILING<br>DATE |
|---------------------|--------------------------------------|-----------|-------|----------------|
|                     |                                      |           |       |                |

DATE CONSIDERED

EXAMINER

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449

**LIST OF PRIOR ART CITED  
BY APPLICANT**

(Use several sheets if necessary)

ATTORNEY DOCKET NO.

AUS920010666US1

SERIAL NO.

10/042,482

**RECEIVED**

NOV 17 2003

Technology Center 2100

APPLICANT **Akella et al.**FILING DATE **January 9, 2002**GROUP ART UNIT **Unknown****U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL | DOCUMENT<br>NO. | PUBLICATION<br>DATE | INVENTOR NAME     | CLASS/<br>SUBCLASS | FILING<br>DATE |
|---------------------|-----------------|---------------------|-------------------|--------------------|----------------|
|                     | BN 5,408,650    | Apr. 18, 1995       | Arsenault         | 395/575            | Jun. 29, 1993  |
|                     | BO 5,835,914    | Nov. 10, 1998       | Brim              | 707/206            | Feb. 18, 1997  |
|                     | BP 5,805,892    | Sep. 8, 1998        | Nakajima          | 395/704            | Sep. 13, 1995  |
|                     | BQ 6,134,676    | Oct. 17, 2000       | VanHuben et al.   | 714/39             | Apr. 30, 1998  |
|                     | BR 6,272,641 B1 | Aug. 7, 2001        | Ji                | 713/201            | Nov. 9, 1999   |
|                     | BS 6,457,142 B1 | Sep. 24, 2002       | Klemm et al.      | 714/38             | Oct. 29, 1999  |
|                     | BT 6,611,498 B1 | Aug. 26, 2003       | Baker et al.      | 370/252            | Sep. 24, 1998  |
|                     | BU 5,408,659    | Apr. 18, 1995       | Cavendish et al.  | 395/650            | Mar. 5, 1992   |
|                     | BV 6,211,872 B1 | Apr. 3, 2001        | Matsutsuka et al. | 345/339            | Oct. 19, 1998  |
|                     | BW 6,590,594 B2 | Jul. 8, 2003        | Bates et al.      | 345/784            | Mar. 25, 1999  |
|                     | BX 6,560,770 B1 | May 6, 2003         | Saxena et al.     | 717/107            | May 25, 1999   |
|                     | BY 5,761,509    | Jun. 2, 1998        | Danforth et al.   | 395/701            | Feb. 13, 1997  |
|                     | BZ 6,054,996    | Apr. 25, 2000       | Bardon et al.     | 345/433            | Nov. 20, 1996  |
|                     | CA 5,675,755    | Oct. 7, 1997        | Trueblood         | 395/346            | Jun. 7, 1995   |
|                     | CB 4,649,473    | Mar. 10, 1987       | Hammer et al.     | 364/200            | Jun. 17, 1985  |
|                     | CC 5,317,746    | May 31, 1994        | Watanabe          | 395/700            | Jun. 2, 1992   |
|                     | CD 5,369,778    | Nov. 29, 1994       | San Soucie et al. | 395/800            | Sep. 27, 1993  |
|                     | CE 5,396,630    | Mar. 7, 1995        | Banda et al.      | 395/700            | Oct. 6, 1992   |
|                     | CF 5,634,124    | May 27, 1997        | Khoyi et al.      | 395/614            | May 25, 1995   |
|                     | CG 6,182,154 B1 | Jan. 30, 2001       | Campagnoni et al. | 709/315            | Apr. 7, 1997   |

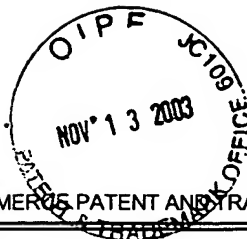
**RELATED PATENT APPLICATIONS**

| EXAMINER<br>INITIAL | APPLICATION NO./<br>ATTY. DOCKET NO. | APPLICANT | TITLE | FILING<br>DATE |
|---------------------|--------------------------------------|-----------|-------|----------------|
|                     |                                      |           |       |                |

DATE CONSIDERED

EXAMINER

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449

**LIST OF PRIOR ART CITED  
BY APPLICANT**

(Use several sheets if necessary)

ATTORNEY DOCKET NO.

AUS920010666US1

SERIAL NO.

10/042,482

**RECEIVED**

NOV 17 2003

Technology Center 2100

APPLICANT **Akella et al.**FILING DATE **January 9, 2002**GROUP ART UNIT **Unknown****U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL | DOCUMENT<br>NO. | PUBLICATION<br>DATE | INVENTOR NAME     | CLASS/<br>SUBCLASS | FILING<br>DATE |
|---------------------|-----------------|---------------------|-------------------|--------------------|----------------|
|                     | CH 6,295,553 B1 | Sep. 25, 2001       | Gilbertson et al. | 709/207            | Dec. 22, 1998  |
|                     | CI 6,615,258 B1 | Sep. 2, 2003        | Barry et al.      | 709/223            | Sep. 24, 1998  |
|                     | CJ 6,177,936 B1 | Jan. 23, 2001       | Cragun            | 345/340            | Aug. 20, 1998  |
|                     | CK 5,233,686    | Aug. 3, 1993        | Rickenbach et al. | 395/158            | Sep. 24, 1991  |
|                     | CL 5,317,741    | May 31, 1994        | Schwanke          | 395/700            | May 10, 1991   |
|                     | CM 5,438,676    | Aug. 1, 1995        | Schwanke          | 395/650            | Jun. 4, 1993   |
|                     | CN 5,560,014    | Sep. 24, 1996       | Imamura           | 395/700            | Mar. 27, 1995  |
|                     | CO 5,758,152    | May 26, 1998        | LeTourneau        | 395/613            | Dec. 6, 1990   |
|                     | CP 5,787,431    | Jul. 28, 1998       | Shaughnessy       | 707/100            | Dec. 16, 1996  |
|                     | CQ 5,812,849    | Sep. 22, 1998       | Nykiel et al.     | 395/701            | Dec. 18, 1996  |
|                     | CR 5,974,428    | Oct. 26, 1999       | Gerard et al.     | 707/203            | Aug. 29, 1997  |
|                     | CS 6,002,874    | Dec. 14, 1999       | Bahrs et al.      | 395/705            | Dec. 22, 1997  |
|                     | CT 6,003,042    | Dec. 14, 1999       | Melahn            | 707/203            | Sep. 30, 1997  |
|                     | CU 6,026,413    | Feb. 15, 2000       | Challenger et al. | 707/202            | Aug. 1, 1997   |
|                     | CV 6,035,303    | Mar. 7, 2000        | Baer et al.       | 707/103            | Feb. 2, 1998   |
|                     | CW 6,112,024    | Aug. 29, 2000       | Almond et al.     | 395/703            | Oct. 2, 1996   |
|                     | CX 6,054,985    | Apr. 25, 2000       | Morgan et al.     | 345/342            | Jan. 27, 1997  |
|                     | CY 5,819,055    | Oct. 6, 1998        | MacLean et al.    | 395/342            | Dec. 13, 1994  |

**OTHER PRIOR ART (including author, title, date, pertinent page, etc.)**

|  |    |   |
|--|----|---|
|  | CZ | Bryant et al., "Automatic Parallelization of Object-Oriented Programming Languages Using Tuple Space", ACM pp. 89-96, 1995. |
|  | DA | Hadjerrouit, "A Constructivist Approach to Object-Oriented Design and Programming", ITICSE ACM, pp. 171-174, Feb. 1999.     |
|  | DB | Jarvinen et al., "Object-Oriented Specification of Reactive Systems", IEEE, pp. 63-71, 1990.                                |
|  | DC | McDonald et al., "Painting Multiple View of Complex Objects", 1990, ACM, 245-257.   |
|  | DD | Grundy et al., "Support for Constructing Environments with Multiple View", 1996, ACM, pp. 212-216.                          |

DATE CONSIDERED

EXAMINER

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

